

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-096162

(43)Date of publication of application : 06.04.1990

(51)Int.Cl.

G03F 7/004
B41M 5/155
B41M 5/165
G03F 7/105

(21)Application number : 63-191873

(71)Applicant : BROTHER IND LTD

(22)Date of filing : 29.07.1988

(72)Inventor : SAKAI TOSHIO

(54) PHOTSENSITIVE, PRESSURE SENSITIVE RECORDING MEDIUM

(57)Abstract:

PURPOSE: To obtain a beautiful developed image without causing sticking of a photosensitive, pressure sensitive capsule sheet to a color developer sheet by melting during pressure development in a high humidity by incorporating a hygroscopic agent into the photosensitive, pressure sensitive capsule sheet or the color developer sheet.

CONSTITUTION: A latent image is formed by exposure on a photo-sensitive, pressure sensitive capsule sheet, and the sheet 1 is pressure-developed by superposing a color developer sheet 6 on the surface having the latent image formed thereon. Thus, unexposed microcapsules 3 carried by the capsule sheet 1 are broken and reacting agent-contg. liquid is flowed out of the microcapsules 3.

The reacting agent develops color by reacting with a partner of the reacting agent coated on the color developer sheet 6. In this stage, the liquid which is not absorbed completely, even in a highly humid state, by the partner and a binder 4, is absorbed by hygroscopic materials 5a, 5b contain in the binder 4 which is carried by the capsule sheet 1 or the color developer sheet 3. By this constitution, a satisfactory developed image is obtd. without causing sticking of the capsule sheet 1 to the color developer sheet 3.

